



Categories

- Audio and data connectors
- Video and RF connectors
- Power connectors, distribution and batteries
- Connection panels and stageboxes
- Fibre optic cables, connectors and interfaces
- Cable assemblies, patchcords and leads
- Cables
- Cabling accessories and tools
- Bags and cases
- Racks and enclosures
- Rack accessories and hardware
- Lights, clocks, furniture, fittings and equipment supports
- Drives, memory, media, labelling and sound effects
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- Radio Microphones
- Microphone supports, amplifiers, powering and accessories
- Headphones, headsets, earpieces, amplifiers and wireless systems
- Hearing protection and noise control
- Record, replay and radio receivers
- Audio interfacing
- Video interfacing, processing, monitoring and camera accessories
- Audio mixers and processing
- Amplification
- Loudspeakers and audio monitoring
- Test and measurement
- Communications, conferencing and datacoms

- By brand
- Index
- New products
- Special offers
- Clearance list
- Remainder list

CANARE 24DV-2U VIDEO JACKFIELD With DVJB-W modules

Datasheet Print/PDF
 Ask a question

Stock code

48-373

Brand
 Canare

Model number
 24DV-2U



24DV-2U



Resources

Canare 24DV-2U Video Jackfield dimensional drawing

Canare Wecο Panels & Modules Specifications

CANARE WECο 3Gb/s 1080p HDTV VIDEO JACKFIELDS

Canare video jackfields are "Western Electric" (also known as WECο) style, widely used worldwide, which use enclosed jack-pair modules with internal micro-switches. They pass uncompressed, 1080p HDTV video up to 3Gb/s (SMPTΕ424M).

To minimise dust and dirt ingress, the jack pairs are housed in rugged diecast aluminium clam-shell housings, and incorporate hermetically sealed, double reverse-action micro-switches mounted on a screened PCB and rated 30,000 operations. Two precision 75 ohm metal-film resistors offer near perfect signal-path termination. Jack modules are secured by front-panel screws, permitting simple module exchange. Modules have a manufacturer's lifetime guarantee.

Two jack modules are available. DVJB-W is "normal through", which provides a normalled route between top and bottom jacks. On inserting a patchcord plug into either top or bottom jack, the disconnected circuit is automatically terminated into a 75 ohm load. DVJB-S is "straight through", which is effectively two single jacks in one housing, each terminated with a 75 ohm load until a jack plug is inserted. This module is useful for bringing up auxiliary equipment on a central jackfield location. From the front, the modules can be distinguished apart as the DVJB-S type have a slightly serrated jack ring. From the rear, DVJB-W are coded blue, DVJB-S are green.

Jackfields are available in 1U (high density format) in 2 x 20, 2 x 24 and 2 x 26 configurations, together with 2U (standard format) in 2 x 24 and 2 x 26. 2U types feature extra-large designation strip. Jackfields are supplied as standard either with DVJB-W or with DVJB-S modules, however component parts (front panels, jack modules) are available separately to enable users to make up mixed configuration panels. Jackfields do not have lacing bars.

Suitable 75 ohm flexible patchcords VPC-WC are available in three lengths, using black cable as standard, and with black strain-relief sleeves on the connectors. Other lengths and colours are available to special order, subject to a minimum quantity of 10 pieces of each type.

Patchcord plug to BNC socket adapters BCJ-VWP are also available, to enable cables terminated with BNC plugs to be directly patched into the jackfield.













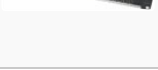









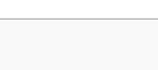

















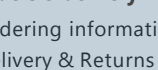

Technical Specification:

SMPTE 292M & 424M Standards

SMPTE 292M is a standard published by SMPTE which allows for bit-rates of 1.485 Gb/s, and 1.485/1.001 Gb/s. These bit-rates are sufficient for to transport uncompressed High Definition video. This standard is usually referred to as HD-SDI and is one of a number of standards that define a Serial Digital Interface based on a coaxial cable, intended to be used for the transport of uncompressed digital video and audio in a television studio environment. SMPTE 424M develops SMPTE292M allowing for bit-rates of 2.970 Gb/s and 2.970/1.001 Gb/s over a coaxial cable or connector panel. These bit-rates are sufficient for uncompressed 1080p video at 50 or 60 frames per second often referred to as 3G HDTV.

The stipulated interface condition (cable & connector) are:
 SMPTE 292M - insertion loss 20dB or less at 750MHz - return loss 15dB or less at 1.5GHz.
 SMPTE 424M - insertion loss 20dB or less at 1.5GHz - return loss 15dB or less at 1.5GHz and 10dB or less at 3.0GHz.

Note that although the MUSA and WECο systems are visually similar, they are not compatible with each other.

Description	Price £ ex VAT	Add to basket Delivery
 CANARE 20DV VIDEO JACKFIELD With DVJB-W modules Stock code: 48-370 Please login for stock availability and lead times.	1+ £679.00 10+ £662.00	1 
 CANARE 24DV VIDEO JACKFIELD With DVJB-W modules Stock code: 48-371 Please login for stock availability and lead times.	1+ £770.00 10+ £751.00	1 
 CANARE 26DV VIDEO JACKFIELD With DVJB-W modules Stock code: 48-372 Please login for stock availability and lead times.	1+ £816.00 10+ £796.00	1 
 CANARE 24DV-2U VIDEO JACKFIELD With DVJB-W modules Stock code: 48-373 Please login for stock availability and lead times.	1+ £826.00 10+ £805.00	1 
 CANARE 26DV-2U VIDEO JACKFIELD With DVJB-W modules Stock code: 48-374 Please login for stock availability and lead times.	1+ £872.00 10+ £850.00	1 
 CANARE 20DV VIDEO JACKFIELD With DVJB-S modules Stock code: 48-3040 Please login for stock availability and lead times.	1+ £677.00 10+ £660.00	1 
 CANARE 24DV VIDEO JACKFIELD With DVJB-S modules Stock code: 48-3041 Please login for stock availability and lead times.	1+ £766.00 10+ £747.00	1 
 CANARE 26DV VIDEO JACKFIELD With DVJB-S modules Stock code: 48-3042 Please login for stock availability and lead times.	1+ £811.00 10+ £791.00	1 
 CANARE 24DV-2U VIDEO JACKFIELD With DVJB-S modules Stock code: 48-3043 Please login for stock availability and lead times.	1+ £820.00 10+ £799.00	1 
 CANARE 26DV-2U VIDEO JACKFIELD With DVJB-S modules Stock code: 48-3044 Please login for stock availability and lead times.	1+ £864.00 10+ £842.00	1 
 CANARE DVJB-W VIDEO JACKFIELD MODULE Stock code: 48-397 Please login for stock availability and lead times.	1+ £27.06 10+ £26.38	1 
 CANARE DVJB-S VIDEO JACKFIELD MODULE Stock code: 48-398 Please login for stock availability and lead times.	1+ £27.06 10+ £26.38	1 
 CANARE VJ2-V20-1U VIDEO JACKFIELD PANEL Unpopulated Stock code: 48-375 Please login for stock availability and lead times.	1+ £175.20 10+ £170.90	1 
 CANARE VJ2-V24-1U VIDEO JACKFIELD PANEL Unpopulated Stock code: 48-376 Please login for stock availability and lead times.	1+ £168.70 10+ £164.50	1 
 CANARE VJ2-V26-1U VIDEO JACKFIELD PANEL Unpopulated Stock code: 48-377 Please login for stock availability and lead times.	1+ £164.30 10+ £160.20	1 
 CANARE VJ2-V24-2U VIDEO JACKFIELD PANEL Unpopulated Stock code: 48-378 Please login for stock availability and lead times.	£220.20 Clearance £50.00	1 
 CANARE VJ2-V26-2U VIDEO JACKFIELD PANEL Unpopulated Stock code: 48-379 Please login for stock availability and lead times.	1+ £216.90 10+ £211.50	1 
 CANARE VPC003-WC VIDEO PATCHCORD 300mm Stock code: 48-391 Please login for stock availability and lead times.	1+ £21.91 10+ £21.36	1 
 CANARE VPC005-WC VIDEO PATCHCORD 500mm Stock code: 48-392 Please login for stock availability and lead times.	1+ £21.91 10+ £21.36	1 
 CANARE VPC01-WC VIDEO PATCHCORD 1000mm Stock code: 48-393 Please login for stock availability and lead times.	1+ £23.00 10+ £22.43	1 
 CANARE BCJ-VWP BNC ADAPTER Stock code: 48-396 Please login for stock availability and lead times.	1+ £8.76 10+ £8.54	1 

Order

VAT / Delivery

£826.00

each (ex. VAT)
 10+ £805.00

1
 Add to basket

Ordered on demand, cancellations may incur charges, available in 1-2 weeks.
 Need it sooner? [Call us](#)

RoHS Status
 Compliant

Also bought
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Customers also bought...



CANARE VPC005-WC VIDEO PATCHCORD...
£21.91



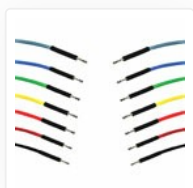
CANARE BCJ-VWP BNC ADAPTER
£8.76



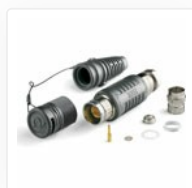
CANARE VPC003-WC VIDEO PATCHCORD...
£21.91



CANARE VPC01-WC VIDEO PATCHCORD...
£23.00



SWITCHCRAFT BANTAM PATCHCORD...
£32.23



FISCHER 1051 SE 11.3 TRIAX...
£161.80



REAN BANTAM PATCHCORD Moulded...
£7.24



M&M B-GAUGE JACKFIELD 1U 2x26...
£283.40



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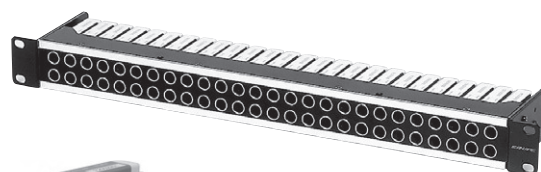
75Ω Video Patchbays

3G-ready HD-SDI video patchbays featuring Canare's uniquely-developed rotary switches.

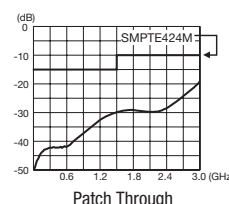
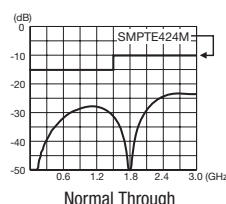
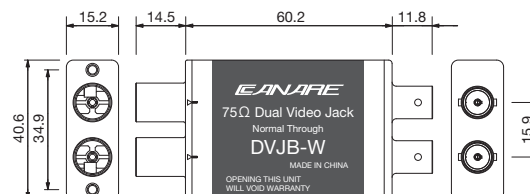
Model	Panel Size	Loaded Video Jacks
20DV	1RU	20 x DVJB-W
20DVS	1RU	20 x DVJB-S
★ 20DV-2U	2RU	20 x DVJB-W
★ 20DVS-2U	2RU	20 x DVJB-S
★ 24DV	1RU	24 x DVJB-W
★ 24DVS	1RU	24 x DVJB-S
★ 24DV-2U	2RU	24 x DVJB-W
★ 24DVS-2U	2RU	24 x DVJB-S
★ 26DV	1RU	26 x DVJB-W
★ 26DVS	1RU	26 x DVJB-S
★ 26DV-2U	2RU	26 x DVJB-W
★ 26DVS-2U	2RU	26 x DVJB-S

★ Production by order

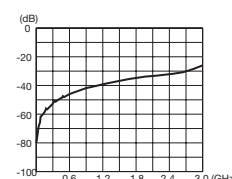
*Colors other than black are available on custom-made basis. (See page 57)



26DV



Return loss for DVJB-W



Isolation

75Ω Dual Video Jacks

Model	Description
DVJB-W	Normal Through
DVJB-S	Straight Through
VJ-DC	Dust Cap for Video Jack (color: black 40pcs)

Key Features and Benefits

- Rotary switch has been improved for superior isolation.
- Also usable as digital audio patchbay.
- Can be recessed 25mm.
- Wide designation strip (2RU type).
- Lightweight aluminum alloy video jacks.

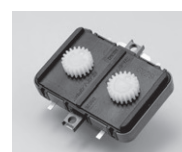
Return Loss & Isolation

Model	Return Loss			Isolation
	BNC-BNC: Normal Through	BNC-VIDEO: Patch Through	BNC-Self Termination	
DVJB-W		26dB or greater (~750MHz)		35dB or greater (~1.5GHz) 20dB or greater (~3.0GHz)
		20dB or greater (~2.4GHz)		
		10dB or greater (~3.0GHz)		
DVJB-S	N/A	26dB or greater (~750MHz)	26dB or greater (~750MHz)	35dB or greater (~1.5GHz) 20dB or greater (~3.0GHz)
		20dB or greater (~2.4GHz)	20dB or greater (~1.5GHz)	
		10dB or greater (~3.0GHz)	10dB or greater (~3.0GHz)	

Technical Note

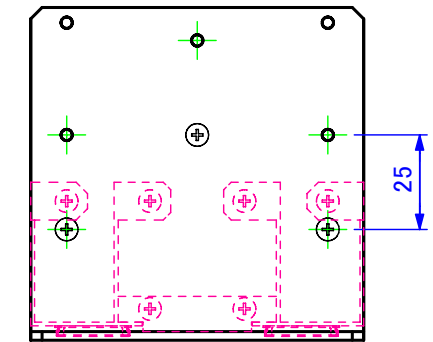
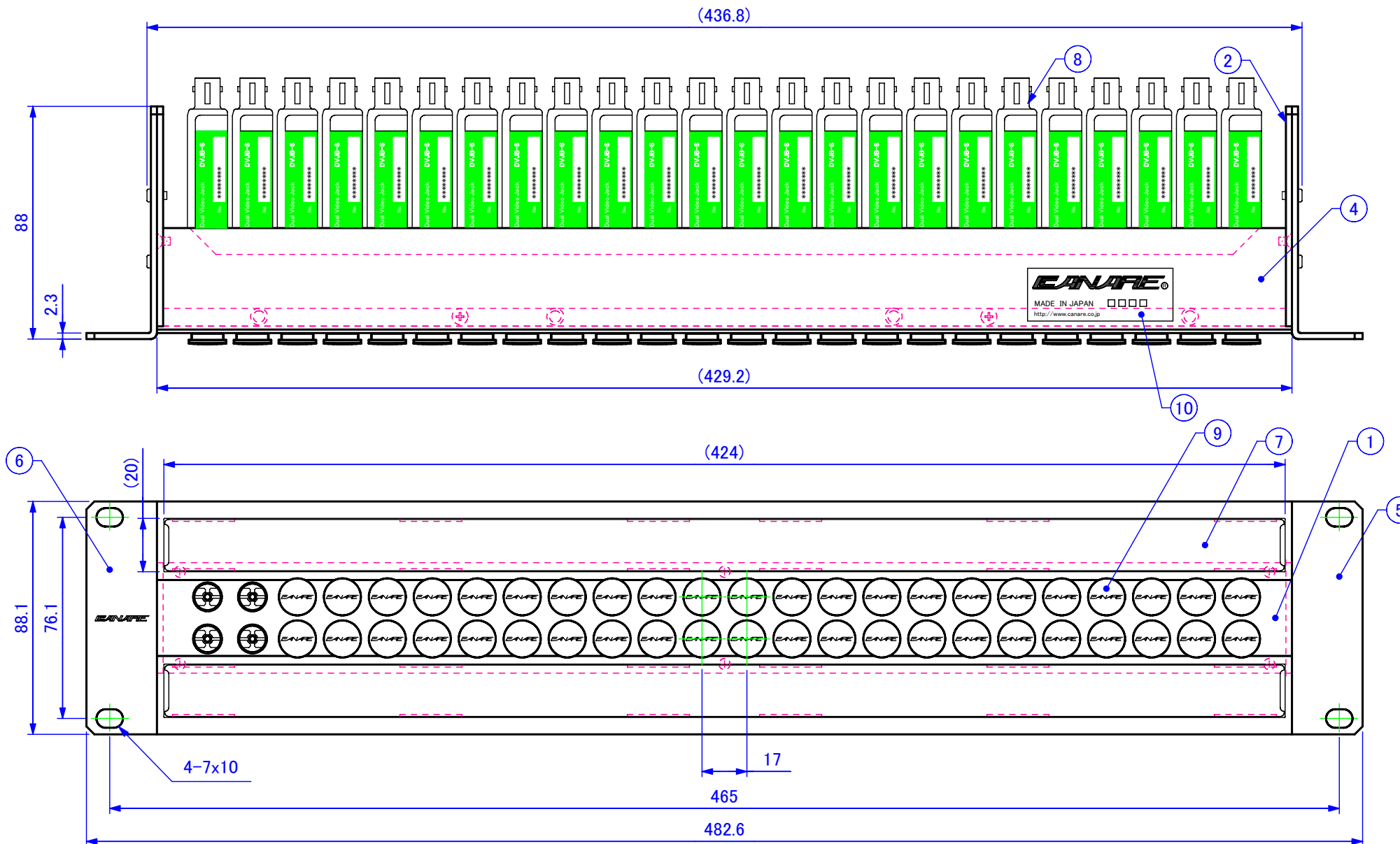
Rotary Switch Technology and Signal Routing Chart

At the heart of the video jack is an independently-developed rotary switch which has been specially designed for use with high frequency signals. It features dual-contact construction for improved contact stability.



W Series (Normal Through)			
Video Port: No Patch		BNC Port: Signal thru as Arrowed	Signal routes between top and bottom BNC without the use of Video plugs.
Video Port: Patch Upper		BNC Port: Lower Terminated	Inserting a Video Patch Cord into front "upper" port automatically terminates signal path into the lower 75Ω load.
Video Port: Patch Lower		BNC Port: Upper Terminated	Inserting a Video Patch Cord into front "lower" port automatically terminates signal path into the upper 75Ω load.
Video Port: Patch Both		BNC Port: Signal thru as Arrowed	Inserting Video Patch Cords into both front ports inputs and/or outputs signal.

S Series (Straight Through)			
Video Port: No Patch		BNC Port: Both Signal Terminated	Two independent single jacks in a dual housing.
Video Port: Patch Upper		BNC Port: Lower Terminated	Inserting a Video Patch Cord into front "upper" port automatically terminates signal path into the lower 75Ω load.
Video Port: Patch Lower		BNC Port: Upper Terminated	Inserting a Video Patch Cord into front "lower" port automatically terminates signal path into the upper 75Ω load.
Video Port: Patch Both		BNC Port: Signal thru as Arrowed	Inserting Video Patch Cords into both front ports inputs and/or outputs signal.



<Model>

Please put and order connector panel color to "*" of the model name.

2 4 D V * - * - 2 U

Connector Panel Color Blank: black ※Note 1: Black used M-CP1UV06.
 1: brown 4: yellow 7: purple
 2: red 5: green 8: gray
 3: orange 6: blue 9: white

※Note 2

Dual Video Jack Blank: DVJB-W (Normal through jack)
 S: DVJB-S (Straight through jack)

ex) 24DVS-5-2U

Dual Video Jack : DVJB-S (Straight through jack)
 Connector Panel Color : green

<Accessories>

Cross recessed binding head M5x15 Ep-Fe/Zn/CM black 4 pcs.
 Plain Washers 5x12x1 Polycarbonate clear 4 pcs.
 Number Label A-NP01 yellow(1~32) 1 pcs.

10	Label	A-NP31	1	Aluminum tape
9	Dust Cap	VJ-DC	48	CANARE
8	Dual Video Jack	See the right. Note2	24	CANARE /Cross countersunk head M3x16 SUS
7	Card Rail	M-DSR04	2	Alloy Steel (black) /Cross countersunk head M2.5x6 D4 Fe/Ni
	Card Cover	M-DSC03	2	PVC (clear)
	Card	M-DSK03	2	420x18.4 t0.2
6	Mounting Panel	M-MA2U05	1	Alloy Steel (black) t2.3 /Cross binding head M3x6 Fe/Zn/CM (black)
5	Mounting Panel	M-MA2U04	1	Alloy Steel (black) t2.3 /Cross binding head M3x6 Fe/Zn/CM (black)
4	Reinforcement	M-FP05	2	Alloy Steel (black) t1.2 /Cross countersunk head M3x5 Fe/Ni /Cross countersunk head M2.5x6 Fe/Zn/CM (black)
3	Reinforcement	M-FP02	2	Alloy Steel (black) t1.0 /Cross countersunk head M3x5 Fe/Ni
2	Side Panel	M-SP2U03	2	Alloy Steel (black) t2.3
1	Connector Panel	M-CP1UV06 or 07	1	Nylon /Cross countersunk head M3x8 Fe/Zn/CM (black)
ITEM	DESCRIPTION	P/N	QTY.	REMARKS

TITLE	EIA 2U (24ch) VIDEO PATCHBAY	PJTN	UNIT	SCALE	TOL.	DATE	Ver 1.1	MODEL	DRW.No.
			mm	1:2	—	2008-01-25		24DV*-*-2U	LL184E

CANARE